

## CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number  
**WO 2005/057737 A2**

(51) International Patent Classification<sup>7</sup>:

**H01S**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2004/040572

(22) International Filing Date: 6 December 2004 (06.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/526,613 4 December 2003 (04.12.2003) US

(71) Applicant (for all designated States except US): **OPTICAL AIR DATA SYSTEMS, LP [US/US]**; 10531 Terminal Road, Manassas, VA 20110 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROGERS, Philip** [US/US]; Optical Air Data Systems, LP, 10531 Terminal Road, Manassas, VA 20110 (US). **MAMIDIPUDI, Priyavadan** [US/US]; Optical Air Data Systems, LP, 10531 Terminal Road, Manassas, VA 20110 (US). **CHANGKAKOTI, Rupak** [US/US]; Optical Air Data Systems, LP, 10531 Terminal Road, Manassas, VA 20110 (US). **GATCHELL, Peter** [US/US]; Optical Air Data Systems, LP, 10531 Terminal Road, Manassas, VA 20110 (US).

(74) Agent: **CLARK, Conrad, J.**; Clark & Brody, Suite 150, 1090 Vermont Avenue, N.W., Washington, DC 20005 (US).

Published:

— without international search report and to be republished upon receipt of that report

(48) Date of publication of this corrected version:

4 August 2005

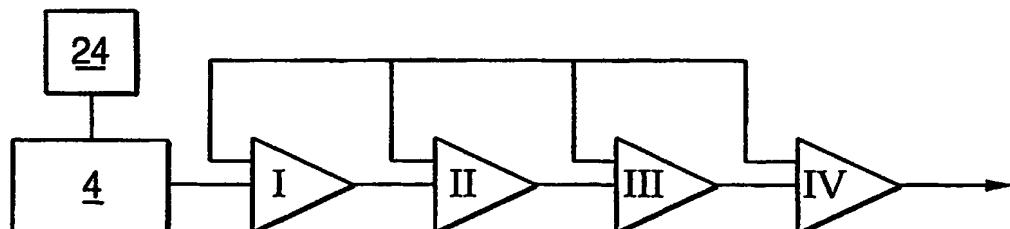
(15) Information about Correction:

see PCT Gazette No. 31/2005 of 4 August 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **VERY HIGH POWER PULSED FIBER LASER**

**WO 2005/057737 A2**



(57) Abstract: A high power integrated fiber laser system includes cascaded amplifiers that utilize low numerical aperture fiber amplifiers. The system is rugged and lightweight.